

REMARKS

Reconsideration of this application as amended is respectfully requested.

In the Office Action dated February 14, 2003, claims 1-47 were pending. Claims 1-47 were rejected under 35 U.S.C. 102(b) and 103(a).

In this response, claim 47 has been cancelled without prejudice. Claims 1, 20-21, and 24-28 have been amended to particularly point out and distinctly claim, in full, clear, concise, and exact terms, the subject matter which Applicant regards as his invention. No new matter has been added.

The Examiner stated that the signatures of the inventors are missed. Applicant submits that the declaration filed with the present application includes properly signed and dated inventors' signatures, a copy of which is included.

The Examiner also requested the specification on the E*Trade document listed on page 1 of the specification of the present application. Applicant submits that such document is unknown or cannot be readily obtained.

Rejections Under 35 U.S.C. §102

Claims 1, 3-6, 17-19, 24, 26, 28-32, 35-42, and 44-46 are rejected under 35 U.S.C. 102(b) as being anticipated by Kiva document entitled "Developing Kiva Applications" (hereinafter the Kiva Document).

To anticipate a claim, the reference must teach every element of the claim. A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." (Manual of Patent Examining Procedures (MPEP) 2131.)

Applicant respectfully submits that claims 1-46 as amended include the limitations that are not disclosed or claimed by the Kiva Document. In particular, independent claim 1 as amended recites as follows:

1. (Currently Amended) A method of streaming a page of data, the method comprising:
 - allocating at least one object corresponding to the page of data, the page of data including one or more sub-components; and
 - executing the at least one object within a single request to an application server to provide the page, wherein, for each of the one or more sub-components, the executing comprises,
 - creating a proxy corresponding to the sub-component, the proxy representing a functionality of an object corresponding to the sub-component,
 - having the proxy to return the data corresponding to the sub-component to the at least one object if the corresponding data is in a cache memory,
 - if the corresponding data is not in the cache memory, having the proxy to create the object corresponding to the sub-component, to execute the object via a container associated with the object to generate the data corresponding to the sub-component, to return the generated data to the at least one object, and to store the data in the cache memory.

(Emphasis added)

Independent claim 1 includes a limitation of caching one or more sub-components independently within a single request to an application server. Applicant submits that the Kiva Document does not disclose or suggest such limitation. Rather, in order to cache a portion of a page, an application of the Kiva Document has to write each portion into a specific page, such as an AppLogic page, which requires to be submitted individually to an application server (e.g., Kiva Enterprise Server). See, for example, page 102 of the Kiva Document. Such multiple request processes involve high costs of processes to the application server. In contrast, the present invention as claimed independently performs caching for each

sub-component within a single request to the application server. As a result, the start up processes of each request have been greatly reduced.

In addition, independent claim 1 further includes limitations of invoking a proxy representing an underlined object supporting the sub-component to determine whether the data corresponding to the sub-component is in a cache memory, if so, the proxy returns the data (e.g., stream out) to the client without invoking the underlined object. The underlined object is created and executed only when the data is absent from the cache memory and the output data is stored in the cache memory thereafter. Applicant submits that these limitations are absent from the Kiva Document. In fact, there is no mention of a proxy, in the Kiva Document, to represent an object without actually creating such object in a situation that the data is in the cache memory. Therefore, for the reasons discussed above, independent claim 1 is not anticipated by the Kiva document.

Similarly, independent claims 20 and 24-28 include similar limitations of claim 1. Thus, for reasons similar to those discussed above, independent claims 20 and 24-28 are not anticipated by the cited references.

The reset of the claims depend from one of the above independent claims, thus include all of the distinct features of the respective independent claim, and therefore, for the reasons similar to those discussed above, are not anticipated by the cited references. Withdrawal of the rejections is respectfully submitted.

Rejections Under 35 U.S.C. §103(a)

Claims 2, 7-16, 20-23, 25, 27, 33-34, 43, and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable over the Kiva Document in view of Yost et al. (U.S. Patent No. 6,173,310) and Vogt et al. (U.S. Patent No. 6,049,847).

Applicant notices that Yost is not provided by the Examiner and is not listed in the Notice of References Cited (PTO-892 form). Applicant respectfully requests the Examiner list Yost in the Notice of References Cited.

To establish *prima facie* obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art. *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). (Manual of Patent Examining Procedure (MPEP) ¶ 2143.03).

In view of foregoing remarks, for reasons similar to those discussed above, Applicant submits that claims 1-46 of the present application include limitations not disclosed or taught by the cited references. As a result, claims 1-46 are patentable over the cited references. Withdrawal of the rejections is respectfully submitted.

CONCLUSION

In view of the foregoing, Applicant respectfully submits the present application is now in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call the undersigned attorney at (408) 720-8300.

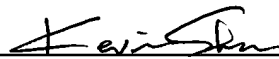
Applicant hereby petitions for an extension of time to respond to the pending Office Action, and a check for the extension fee is enclosed.

Please charge Deposit Account No. 02-2666 for any shortage of fees in connection with this response.

Respectfully submitted,

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